

What is claimed is:

1. An inventory management method that calculates a supplement amount of inventory at a specific day, wherein a computer comprises:

a step for calculating a sales plan amount from a standard day  
5 to said specific day based on sales performance data that stores the sales performance, and sales plan data that stores the sales plan;

a step for predicting an inventory amount at said specific day based on said sales plan amount, inventory amount at said standard day, and warehousing amount from said standard day to said specific  
10 day;

a step for predicting a sales amount of the period from said specific day to the days required to deliver the merchandise passes, based on said sales plan amount;

a step for calculating a sales fluctuation range amount by  
15 multiplying said sales amount by a predetermined fluctuation range ratio;

a step for calculating a lower limit inventory amount of said specific day based on said sales amount and said sales fluctuation range amount; and

20 a step for calculating a supplement amount based on inventory amount and lower limit inventory amount of said specific day.

2. The inventory management method according to claim 1, wherein said step for calculating the sales plan amount comprises:

25 a step for calculating a sales performance ratio of each

operating day based on said sales performance data;

a step for calculating an expected sales performance ratio of each operating day after the standard day, based on said sales performance ratio of each operating day; and

5 a step for calculating a sales plan amount until said specific day based on said expected sales performance ratio of each operating day after the standard day.

3. The inventory management method according to claim 1, wherein said warehousing amount is calculated based on said supplement  
10 amount of said standard day to the day before the specific day.

4. The inventory management method according to claim 1, wherein said specific day is a day after the soonest day possible to supplement the inventory, when there is a new order.

5. The inventory management method according to claim 1, wherein  
15 said computer further comprises a step for respectively calculating a retrospective day that goes back a period, which is required to deliver the merchandise from the factory, before a delivery day of each blanket order, when there is a blanket order, and said step for calculating said lower limit inventory amount, calculates with said  
20 sales fluctuation range and said sales amount the lower limit inventory amount at said specific day, based on each order amount and said retrospective day of said blanket order.

6. An inventory management apparatus, which calculates a supplement amount of inventory at a specific day, that comprises a  
25 storing unit that stores sales performance data, which stores sales

performance, and sale plan data, which stores sales plan, and a controller which:

calculates a sales plan amount from a standard day to said specific day based on said sales performance data and said sales plan  
5 data;

predicts an inventory amount at said specific day based on said sales plan amount, inventory amount at said standard day, and warehousing amount from said standard day to said specific day;

predicts a sales amount of the period from said specific day to  
10 the days required to deliver the merchandise passes, based on said sales plan amount;

calculates a sales fluctuation range amount by multiplying said sales amount by a predetermined fluctuation range ratio;

calculates a lower limit inventory amount at said specific day  
15 based on said sales amount and said sales fluctuation range amount;  
and

calculates a supplement amount based on inventory amount and lower limit inventory amount of said specific day.

7. The inventory management apparatus according to claim 6,  
20 wherein said controller calculates a sales performance ratio of each operating day based on said sales performance data, calculates an expected sales performance ratio of each operating day after the standard day, based on said sales performance ratio of each operating day, and calculates a sales plan amount until said specific day based  
25 on said expected sales performance ratio of each operating day after

the standard day.

8. The inventory management apparatus according to claim 6,  
wherein said warehousing amount is calculated based on said  
supplement amount of said standard day to the day before the  
5 specific day.

9. The inventory management apparatus according to claim 6,  
wherein said specific day is a day after the soonest day possible to  
supplement the inventory, when there is a new order.

10. The inventory management apparatus according to claim 6,  
10 wherein said controller calculates a retrospective day that goes back a  
period, which is required to deliver the merchandise from the factory,  
before a delivery day of each blanket order, when there is a blanket  
order, and calculates with said sales fluctuation range and said sales  
amount the lower limit inventory amount at said specific day, based  
15 on each order amount and said retrospective day of said blanket  
order.

11. A recording medium, which records an inventory management  
program for calculating a supplement amount of inventory at a  
specific day, wherein said inventory management program functions  
20 a computer as:

sales plan amount calculating means for calculating a sales  
plan amount from a standard day to said specific day based on sales  
performance data that stores the sales performance, and sales plan  
data that stores the sales plan;

25 inventory amount predicting means for predicting an

inventory amount at said specific day based on said sales plan amount, inventory amount at said standard day, and warehousing amount from said standard day to said specific day;

sales amount predicting means for predicting a sales amount  
 5 of the period from said specific day to the days required to deliver the merchandise passes, based on said sales plan amount;

sales fluctuation range calculating means for calculating a sales fluctuation range amount by multiplying said sales amount by a predetermined fluctuation range ratio;

10 lower limit inventory amount calculating means for calculating a lower limit inventory amount at said specific day based on said sales amount and said sales fluctuation range amount; and

supplement amount calculating means for calculating a supplement amount based on inventory amount and lower limit  
 15 inventory amount of said specific day.

12. The recording medium according to claim 11, which functions said sales plan amount calculating means as:

sales performance ratio calculating means for calculating a sales performance ratio of each operating day based on said sales  
 20 performance data;

expected sales performance ratio calculating means for calculating an expected sales performance ratio of each operating day after the standard day, based on said sales performance ratio of each operating day; and

25 sales plan amount calculating means for calculating a sales

plan amount until said specific day based on said expected sales performance ratio of each operating day after the standard day.

13. The recoding medium according to claim 11, wherein said warehousing amount is calculated based on said supplement amount  
5 of said standard day to the day before the specific day.

14. The recording medium according to claim 11, wherein said specific day is a day after the soonest day possible to supplement the inventory, when there is a new order.

15. The recording medium according to claim 11, which further  
10 functions said computer as retrospective day calculating means for respectively calculating a retrospective day that goes back a period, which is required to deliver the merchandise from the factory, before a delivery day of each blanket order, when there is a blanket order, and functions said lower limit inventory amount means as means for  
15 calculating with said sales fluctuation range and said sales amount, the lower limit inventory amount of said specific day, based on each order amount and said retrospective day of said blanket order.